



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 29, 1984

Mr. York Jones  
Utah International, Inc.  
228 South 800 West  
Cedar City, Utah 84720

Dear Mr. Jones:

RE: Release of Successfully Reclaimed Areas and Request for  
Renegotiation of Surety Contract, Cedar City Operation,  
ACT/021/001, Iron County, Utah

On March 22, 1984, the Division responded by letter to your request for surety release at Utah International, Inc.'s (UII) Cedar City Operations. That letter outlined specific procedures which would be performed by the Division to evaluate the surety release request.

Since that response, the following has occurred:

1. The vegetation on all reclaimed areas was quantitatively sampled and results analyzed by a Division biologist. The results were evaluated using the success standards described under Rule M-10(12) for surety release and were documented in a memo to the file dated July 10, 1984, a copy of which was forwarded to you.
2. It has been determined by the Division that several areas have met the required reclamation standards and are hereby released from further obligation. These areas are:

Comstock Alluvium (129 acres)  
Great Western (39 acres)  
Eclipse - Little Mormon - Twitchell Complex (88 acres)  
Low Grade No. 100 and No. 3 (7 acres)

3. All other areas have not met the required Division criteria for successful revegetation under Rule M-10(12) and remain the responsibility of UII.

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A detailed surety estimate is attached which assesses the current reclamation costs for all lands not successfully reclaimed by UII. The total surety amount calculated by the Division is \$217,421.00.

UII has expressed an interest in obtaining variances for the Coarse Tails Pile and the Comstock and Blackbird access roads. However, adequate descriptions of the areas and justification for the variances have not been submitted. Therefore, these areas are included in the surety estimate.

In light of this current information, the Division requires that the following actions be initiated:

1. The surety contract between UII and the Division must be renegotiated to reflect the current situation. Several options for posting the surety are available. Please contact Pamela Grubaugh-Littig, Reclamation Engineer, for additional information regarding the surety requirements.
2. A plan for reclamation of all remaining areas must be submitted. This should include detailed methods of reclamation along with the time schedule to be followed. If variances are desired, the appropriate information and justification must be supplied. If you have any questions relative to the reclamation, please call Steve Cox, Reclamation Biologist.

The Division would like to present the renegotiated surety contract to the Board of Oil, Gas and Mining as soon as possible. Therefore, your earliest reply would be appreciated.

We thank you for your time and effort spent in assisting the Division. If you have any questions, please feel free to call me or Jim Smith of my staff.

Best regards,



Dianne R. Nielson  
Director

SC/btb

cc: Ron Daniels  
Jim Smith  
Mary Boucek  
Steve Cox  
Pam Grubaugh-Littig  
89740-16 & 17

# MINED LAND RECLAMATION ESTIMATE

Utah International, Inc.  
Cedar City Operations  
ACT/021/001, Iron County, Utah

August 29, 1984

## Summary

Burying Foundations	\$ 65,095.00
Demolition of Buildings	\$ 85,074.00
Revegetation	<u>\$ 28,411.00</u>
	\$178,580.00
	• (1984 dollars)

Inflate at 6.78% for three years hence.

1985 - \$190,688.00

1986 - \$203,616.00

1987 - \$217,421.00 This amount needs to be posted.

## Reseeding Costs

\$32.27/acre

Tails Pile -	14 acres
Comstock & Blackbird roads -	185 acres
Offices -	105 acres
Zelma Site - (reseeded)	7 acres
Tailing Pond - (reseeded)	80 acres
Blackbird -	10 acres
Low Grade #14 & #15 -	14 acres
Smith #5 -	8 acres
Low Grade #18 -	6 acres
Walker Iron Placer -	14 acres
	<u>443 acres</u> X \$32.27/ac = \$14,296

## Scarifying and Seedbed Preparation:

Tractor and Attachment - \$80/day  
Production: 1 hour/acre

Tail Pile -	14 acres
Road -	185 acres
Offices	<u>105 acres</u>
	304 acres - 304 hours

Scarifying and Seedbed Preparation: (continued)

$\frac{304 \text{ hours}}{8 \text{ hours/day}} \times \$80/\text{day} = \$3,040$

Drill Rental (tractors + drill) = \$100/day  
Production: 2 hours/acre  
For 443 acres  $\times \frac{2 \text{ hrs}}{\text{acre}} \times = 886 \text{ hrs}$

$\frac{886 \text{ hrs}}{8 \text{ hours/day}} \times \$100/\text{day} = \$11,075.00$

Detail of Demolition of Buildings\*

Office Building - 64,000 cf @ \$.16/cf =	\$10,240.00
Change House - 16,200 cf @ \$.16/cf =	\$ 2,592.00
Maintenance Shop - 168,000 cf @ \$.16/cf =	\$26,880.00
Warehouse - 60,000 cf @ \$.16/cf =	\$ 9,600.00
Automotive - 11,250 cf @ \$.16/cf =	\$ 1,800.00
Electrical Shop - 9,000 cf @ \$.16/cf =	\$ 1,440.00
Mill Shop - 20,250 cf @ \$.16/cf =	\$ 3,240.00
Tire Shop - 50,840 cf @ \$.16/cf =	\$ 8,134.00
Steady Head Tank - 80,425 cf @ \$.16/cf =	\$12,868.00
Existing Office Bldg. - 31,500 cf @ \$.16/cf =	<u>\$31,500.00</u>
TOTAL	\$85,074.00

Detail of Burying Foundations\*

Office Building - 3,200 sf @ \$2.80/sf =	\$ 8,960.00
Change House - 1,080 sf @ \$2.80/sf =	\$ 3,024.00
Maintenance Shop - 4,800 sf @ \$2.80/sf =	\$13,940.00
Warehouse - 1,800 sf @ \$2.80/sf =	\$ 5,040.00
Automotive - 750 sf @ \$2.80/sf =	\$ 2,100.00
Electrical Shop - 600 sf @ \$2.80/sf =	\$ 1,680.00
Mill Shop - 1,350 sf @ \$2.80/sf =	\$ 3,780.00
Tire Shop - 2,542 sf @ \$2.80/sf =	\$ 7,118.00
Steady Head Tank - 5,026 sf @ \$2.80/sf =	\$14,073.00
Existing Office Bldg. - 2,100 sf @ \$2.80/sf =	<u>\$ 5,880.00</u>
TOTAL	\$65,095.00

\*From Means Site Work Cost Index 1984.

Revegetation Plan and Schedule:

Species	Pounds Per Acre (Pure Live Seed) Drilled Cost/lb		Cost
<u>Grasses:</u>			
Luna pubescent wheatgrass ( <u>Agropyron trichophorum</u> var. <u>Luna</u> )	2	\$ 1.52	\$ 3.04
Rosana western wheatgrass ( <u>A. smithii</u> var. <u>rosana</u> )	2	\$ 2.90	\$ 5.80
Siberian crested wheatgrass ( <u>A. desertorum</u> var. <u>Siberian</u> )	2	\$ .83	\$ 1.66
Paloma Indian ricegrass ( <u>Oryzopsis hymenoides</u> var. <u>Paloma</u> )	1	\$ 7.25	\$ 7.25
<u>Forbs:</u>			
Alfalfa ('Ladak') ( <u>Medicago sativa</u> var. <u>Ladak</u> )	1	\$ 1.67	\$ 1.67
Yellow sweetclover ( <u>Melilotus officinalis</u> )	1	\$ 1.50	\$ 1.50
Small burnet ( <u>Sanguisorba minor</u> )	1	\$ 1.61	\$ 1.61
<u>Shrubs:</u>			
Antelope bitterbrush ( <u>Purshia tridentata</u> )	1/4	\$14.00	\$ 3.50
Fourwing saltbrush ( <u>Atriplex canescens</u> )	1/4	\$ 4.00	\$ 1.00
Nevada ephedra ( <u>Ephedra nevadensis</u> )	1/4	\$ 7.00	\$ 1.75
Winterfat ( <u>Ceratoides lanata</u> )	1/4	\$13.95	\$ 3.49
TOTAL	11 lbs/acre (PLS)		\$32.27/acre